MAGNASONIC

DVD Player with Karaoke

IMPORTANT NOTICE
Please read this notice before continuing to read this instruction manual. In order to make sure that you have the correct manual, please have a look at the back of the DVD player cabinet and check what the model number reads.
If the model number reads "DVD816-4", you have the right manual and you can proceed to use this manual for reference purposes.

If the model number reads "DVD816B-4", you need to go to the following website to download the DVD816B-4 manual:
www.magnasonic.ca/index/screen/magnasonic_downloads.htm

Instruction Manual
Model DVD816

Thank you for your purchase of this Magnasonic product. Please read this Instruction Manual carefully before using this Magnasonic product to ensure proper use. After reading this manual, please keep it in a safe place and refer to it when necessary.

For additional information on this product or for help with set-up please call the Customer Help Line at 1-800-287-4871

Visit www.magnasonic.ca for more information about our great products

IMPORTANT INFORMATION

CAUTION

To reduce the risk of electric shock, do not remove cover. Refer servicing to qualified service personnel.
Please read the manual carefully before operating this player.

DVD PLAYER PLACEMENT

Please do not place the player in the following locations:

- In direct sunlight or near or on top of heat sources such as heaters, stoves, or other appliances that produce heat.
- Locations which are badly ventilated, dusty, contain lots of moisture, or are unsteady.
- Do not expose the player to vibration or moisture (i.e. rain).
- Do not place any products on top of the player.
- Nearby high powered speakers or on the same stand as speakers.
- Don't play discs that contain scratches, are bent or cracked to prevent the player from being damaged.
- **Leave at least 2 inches of space behind and at the sides of the player for proper ventilation.**

POWER SUPPLY INFORMATION

- The power supply requires the following voltage: AC110V ~50Hz.
- When you plan not to use this player for long periods of time, disconnect the AC power plug from the power outlet.
- To prolong the life of this player, please allow for at least 10 seconds in between switching the player ON and then OFF.

DVD PLAYER INFORMATION

1. Fully compatible with DVD, SVCD, VCD, MP3, JPEG, CD+G, CD-R, and CD-RW discs.
2. Compatible with Picture CD's to allow for digital picture presentations.
3. Progressive scan function.
4. 10-Bit digital video converter – 500+ lines of resolution.
5. 24-Bit/96Khz digital audio converter - provides high quality sound.
6. Component, S-Video, Composite, VGA, Optical and Coaxial outputs.
7. Compatible with multilingual DVD menu systems, subtitles and multipull angles (depends on DVD disc content.
8. Multiple screen size selection.
9. Karaoke function including Mic jack and Mic volume control.

DIGITAL AUDIO OUTPUT

The coaxial/ optical output enables you to connect external multi-channel AV amplifiers/ receivers with built-in Dolby Digital and DTS decoders by using only one cord so that you can enjoy various DVD and CD's conveniently.

Component Video Output

Component video output (Y, Cr, Cb) enables you to enjoy high quality DVD image playback. Component output is superior to S-Video or Composite (Analogue RCA) outputs. Note that you will need Component cables (not included) which look like but are NOT the same as composite cables (included). Using composite cables with component outputs might damage the player and void your warranty.

Laser Head Overcurrent Protection System

The laser head is the most important and critical part of the whole player. Its performance is directly linked to the player's service life and error correction capability. When a common player reads a scratched disc or a non-standard disc, the laser intensity could be as high as 20 times the normal level, thus greatly reducing its service life. This player is provided with an unique laser head overcurrent protection system which tries to ensure a constant laser current and thus greatly extending the service life of the laser head.

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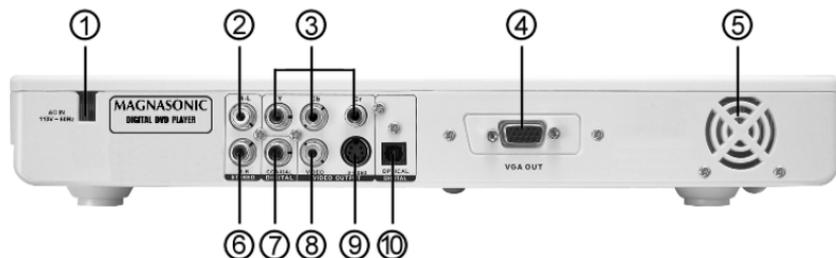
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CONNECTIONS OVERVIEW

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Accessories Included in the Box
1. Remote Control   2. Composite Audio/Video Cable   3. Instruction Manual

Installing Remote Control Batteries
Insert 2 x 'AAA' size batteries into the battery compartment. Be sure to note the polarities marked inside the battery compartment so the batteries can be inserted the proper way. There should be no large obstacles in between the remote control and the player itself.

2. CONNECTING THE PLAYER
- When establishing a connection between the player and external components, make sure that all the external components and this player are turned off.
- Composite and Component Audio/Video cables are connected according to the different color identifications on the output connector and the input plugs. Note that they should be fitted firmly.
  Yellow to Video Terminal
  White to left Audio Terminal
  Red to right Audio Terminal

Connections Diagram
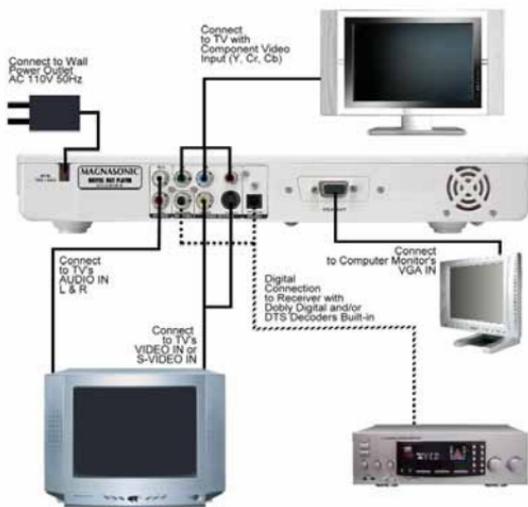
INTRODUCTION TO BASIC OPERATION

1. TURN ON THE TV AND YOUR DVD PLAYER

* Press the POWER button on the player to turn on the power to the player. The display on the player lights up and the player will start searching for a disc

  NOTE: You can not turn the power on using the remote if the power is off. You can only turn the player on and off using the remote when the player is in Standby mode. In Standby mode the display of the player turns off and it goes into power saving mode. Access the Standby mode by pressing POWER button on the player and then Only using the STANDBY/ON button on the remote.

* If there is no disc in the player, "NO DISC" will appear on the screen

2. INSERTING A DISC

* Press the OPEN/CLOSE button on the DVD player or the remote , and "OPEN" appears on the TV screen.

* Place a disc on the disc tray, label facing up and press OPEN/CLOSE button. "CLOSE" appears on the TV screen and the disc tray closes. Now the player will proceed to read the disc automatically.

3. PLAYING A DISC

* The contents of each disc menu (Root menu) varies according to who and how the disc was created and what features were included. The disc menu will automatically appear once the player has read the disc and all the warning screens have passed.

A) DISC MENU

a. Press MENU button once.

* The TV displays the DVD Root menu when a DVD disc is loaded. When a SVCD or VCD2.0 disc is loaded, the VCD menu will be displayed on screen (when PBC is off). Press the PBC button once to display current PBC state.

* PBC is only initialized when a SVCD of VCD2.0 disc is loaded.

b. When a DVD disc is loaded, press ◄ ► ▲ ▼ buttons to highlight a menu item you want to select. As for SVCD or VCD2.0 discs, you can press NUMERICAL buttons to select a track to play.
c. Press the ENTER or PLAY button to enter a menu you have selected or start an action you have selected.
d. During DVD disc playback, press the MENU button to return to Root menu. As for SVCD or VCD2.0 discs (with PBC function turned on), press PBC button to return to the menu.
e. Press the STOP button to stop playback.

- When you press STOP button for the first time, the player goes into PRE STOP state. At the same time, the OSD (On Screen Display – DVD functions displayed on the TV screen) will show "PRE STOP". Press the STOP button twice to enter into STOP state.

- In PRE STOP state, the player remembers where playback was stopped. Pressing the PLAY button will cause the player to commence playback from the point at which you previously stopped. Note that this function is cancelled if you turn off the players power or if you open the disc tray at any point.
- In STOP state, when you press PLAY button, the player will start playback from the beginning of the disc.

B) TITLE MENU (Compatible with DVD discs only)
a) During DVD playback, press TITLE button to display the DVD title content.
b) Press the ◄ ► ▲ ▼ buttons to highlight the title you want to select and press ENTER button to confirm your choice. You can also press NUMERICAL buttons to choose a title.
c) The DVD player begins at chapter 1 of the chosen title.

C) SEQUENCE PLAYBACK
a) When a SVCD or VCD2.0 disc is loaded and the PBC button has been pressed, the PBC function is turned on. When the PBC button is pressed again, the PBC function is switched off. When the PBC function is off, the player plays the discs in sequence playback mode. When PBC function is button is pressed twice, PBC is switched on.
b) Except for SVCD of VCD disc, in the STOP state, when press PLAY button, the player will enter the sequence playback mode. This feature is effective to all the compatible discs.

D) PROGRAMMED PLAYBACK
The Programmed playback option allows you to enter the order in which you want chapters or tracks to play, up to a maximum of 16. Press the PROG button to enter the programmed playback menu.

- The programmed playback menu for DVD discs looks like the screen image to the right. Note that 'T' stands for Title and 'C' stands for Chapter. Both the Title and the Chapter number need to be entered for an entry to be valid.

- The programmed playback menu for SVCD/VCD/CD/CD+G discs looks like the screen image to the right. Note that only the track number needs to be entered for the entry to be valid.
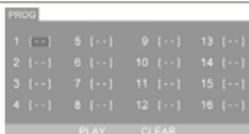
  - If PBC function is on, this operation will turn PBC function off while the chapters/tracks are played back in a programmed order.
- Using the ◄ ►▲▼ buttons, highlight a memory location. Press the NUMERICAL buttons to enter the chapter/track numbers in the order you want them to play. Then, press PLAY button or use ◄ ►▲▼ buttons to highlight PLAY, located at the bottom of the screen and press ENTER button. The chapters/tracks will be played back in the programmed order.
- During Programmed playback, if the PROGRAM button is pressed, the programmed playback menu appears showing the chapters/tracks in the order you have programmed them in. You can press STOP and PLAY buttons to stop programmed playback and resume normal playback.
- Notes :
  - To clear the programmed order, use ◄ ►▲▼ buttons to highlight "CLEAR" at the bottom of the menu screen and press ENTER button to confirm your selection.
  - To modify the programmed order, use ◄ ►▲▼ buttons to highlight the item you would like to modify and then enter the new chapters/tracks you want to program using the NUMERICAL buttons.

4. SELECTING TRACKS
- When playing a DVD disc, press NUMERICAL buttons in menu or title page to select a menu or title item directly. During DVD playback, you can input desired title number directly by pressing NUMERICAL buttons.
- When playing a SVCD or VCD disc, during sequence playback, press NUMERICAL buttons to select tracks. (when programmed playback and PBC function is on, you can only press PREV ◄◄ / NEXT ►► button to select a track).
- As for MP3 / JPEG discs, press NUMERICAL buttons to select different tracks on current track list.
- Note :
  To select tracks from 1-9, press corresponding NUMERICAL buttons (1-9).
  To select track 10 and above, press 10+ button, then press 1-9 buttons.

5. SKIPPING TRACKS
- Press NEXT ►► to skip to the beginning of the next title/chapter/track on a disc.

- Press PREV ⏮ to beginning of the previous title/chapter/track on a disc.

PREV

6. MULTI-SPEED PLAYBACK
- Press FWD key repeatedly to toggle between fast forward 2x, 4x, 8x, 20x and regular 1x speed playback. Alternatively, press the PLAY button to return to regular playback speed.

FWD

- Press REV key repeatedly to toggle between fast reverse 2x, 4x, 8x, 20x and regular speed playback. Alternatively, press the PLAY button to return to regular playback speed.

REV

7. MULTI-SPEED SLOW MOTION PLAYBACK
- Press SLOW button during playback to enter slow motion playback mode. Slow motion playback has six speeds : 1/2, 1/3, 1/4, 1/5, 1/6, 1/7.
- Press PLAY button to resume normal playback.

8. REPEAT PLAYBACK MODES
During disc playback, press the REPEAT button repeatedly to access on of the various repeat playback modes. The repeat mode you have accessed will show on the TV screen.

- During SVCD/VCD/CD/MP3/JPEG disc playback mode, press REPEAT button twice to turn on the REPEAT playback mode. Press REPEAT button repeatedly to toggle between the various repeat modes. There are three repeat modes: OFF, Track Repeat and Disc Repeat. If you press the REPEAT button four times, the repeat mode will return to the OFF mode and be cancelled.
- During DVD playback, press REPEAT button twice to turn on repeat playback mode. There are three repeat modes: OFF, Chapter Repeat and Title Repeat. If you press the REPEAT button four times, the repeat mode will return to the OFF mode and be cancelled.

9. USING THE OSD (ON-SCREEN DISPLAY) FEATURE

- While loading and playing DVDs, press the OSD button once. The following information is displayed on the TV screen:
    - Disc Type
    - Title Number / Total Number of Titles
    - Chapter Number / Total Number of Chapters
    - Current Playback Position (Time) on the Disc

- Press the OSD button a second time and the following information is displayed on the TV screen:
    - Audio Language Track
    - Audio Format
    - Subtitle Status / Language
    - Angle Availability Status

- Press the OSD button a third time to cancel the OSD menu. The OSD disappears.

- While loading and playing VCD's, press the OSD button once. The following information is displayed on the TV screen:
    - Disc Type
    - Track Number / Total Number of Titles
    - Current Playback Position (Time) on the Disc

- Press the OSD button a third time to cancel the OSD menu. The OSD disappears.

10. USING THE SEARCH FEATURE

- You can use the Search feature to select a title/track/chapter number or go to a specific point in a title. To use this feature, press the GOTO button on the remote control to bring up the search menu and enter the information edit status. Then press the ◄ ► buttons to highlight the title/chapter/track number or the time option. Then, use the NUMERICAL buttons to enter the title/chapter/track you want to play or the elapsed time you want to go to in a specific title. Finally, press the ENTER button to confirm your selection.
- Notes :
    - This feature does not work in programmed playback mode.
    - If PBC is on (VCD Only), it will turn off automatically when Search Playback starts.
    - When playing MP3/JPEG discs, the search feature does not work.
    - Press the GOTO button a second time to exit from this feature

11. CHANGING THE AUDIO LANGUAGE

- During disc playback, press the AUDIO button once to view the current audio language on screen.
- When a DVD or SVCD has been pre-recorded with multiple audio soundtracks, you can use the language feature to change the audio language. Note that language availability depends entirely on the disc content and not on the player. See DVD disc sleeve for details on the included languages.

12. SUBTITLES (COMPATIBLE WITH DVD OR SVCD DISCS ONLY)

Press the SUBTITLE button on the remote controller once and the subtitle bar appears on screen.

- When a DVD or SVCD is pre-recorded with different subtitles, you can use the SUBTITLE feature to view the subtitles on-screen. By default, subtitles are not displayed (off mode). The info bar will display OFF.
- To display subtitles, press the SUBTITLE button again. The default language with its corresponding sequence will be displayed in the info bar and subtitles appear in the chosen language on the TV screen. Press the SUBTITLE button repeatedly to toggle between the available subtitle languages. Note that subtitle availability depends entirely on the disc content and not on the player. See DVD disc sleeve for details on the included subtitle languages.

13. CHANGING THE CAMERA ANGLE (Compatible with DVD discs ONLY)

- During DVD disc playback, press the ANGLE button and the angle icon appears on screen.
- Press the ANGLE button repeatedly to toggle between the different available angles.
- Note that this feature ONLY works with DVDs that contain film that was shot from multiple angles. Also note that angle availability depends entirely on the disc content and not on the player. See DVD disc sleeve for details on whether multiple angles are included.

14. CHANGING THE TV SYSTEM

- Press N/P button to display current TV system.
- In North America the NTSC TV system is used
- Press the N/P button repeatedly to toggle between the different TV systems (PAL etc.)
- Note that in order to view region 1 and region ALL DVD discs, you do not need to change this option as NTSC is the factory default setting.

15. MUTING AUDIO OUTPUT

- Press the MUTE button once to mute audio output.
- Press the MUTE button again to resume previous audio output volume level.

16. ZOOMING FEATURE

- Press ZOOM button to active the function and choose the required zoom factor : ZOOM1, ZOOM2, ZOOM3, ZOOM1/2, ZOOM1/3, ZOOM1/4, ZOOM OFF.
- Use the ◄ ► ▲ ▼ buttons to pan across the screen when zoom factor is 1/2/3.

17. CHANGING THE AUDIO MODE (Compatible with CD discs ONLY)

- Press R/L button once to view the current audio output mode.
- Press R/L button repeatedly to toggle between Stereo / Mono L / Mono R audio output modes.

18. REPEATING A SPECIFIC SECTION ON A DISC

- Press A-B button one time to set the starting point for the segment you want to have repeated (Point A)
- Press A-B button a second time to set the end point for the segment you want to have repeated (Point B)
- Now the segment you have marked between point A and B will be repeated until you stop playback.
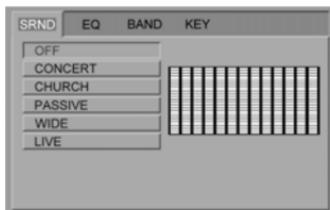- Press A-B button a third time to cancel the A-B repeat mode.

19. 3D SURROUND MODE

Press 3D button on the remote control once and the current 3D surround mode will be displayed on the screen. Press ◄ ► ▲ ▼ button to highlight 3D surround setup menu items. Press the 3D button again to turn off the menu
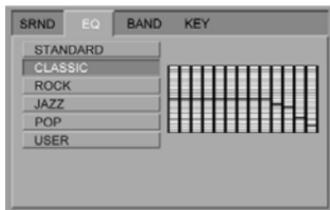
- Use the ▲ ▼ buttons and press ENTER to choose a surround mode.

- Press the ▲ button until SRND is highlighted and then press the ► button to enter the EQ menu. EQ is highlighted and the EQ menu options are listed as shown in the image to the right of this text.
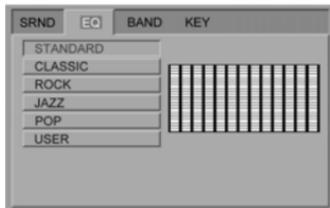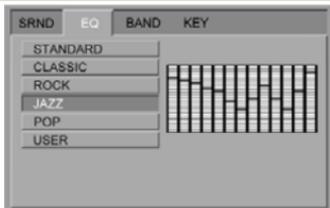
- Use the ▲ ▼ buttons and press ENTER to choose an EQ mode.
- EQ [CLASSIC] is highlighted as the graph shown to the right of this text.

- EQ [ROCK] is highlighted as the graph shown to the right of this text.
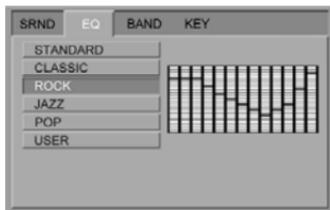
- EQ [JAZZ] is highlighted as the graph shown to the right of this text.

- EQ [POP] is highlighted as the graph shown to the right of this text.
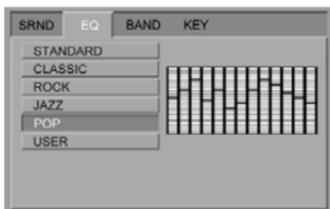
- EQ [USER] is highlighted as the graph shown at the right. In the USER mode you can customize the graph and therefore the audio mode to your specifications
- Scroll down to USER and press ENTER button to access the graph
- Press ◄ ► buttons to highlight the band you want to tune. Then press ▲ ▼ buttons to increase or decrease the value.
- Press the ENTER button to confirm your settings.
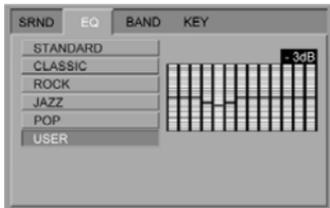
- Press the ▲ button until SRND, EQ or KEY is highlighted and then press ◄ ► buttons to highlight BAND
- Now the screen will show the frequency graph for the currently playing audio
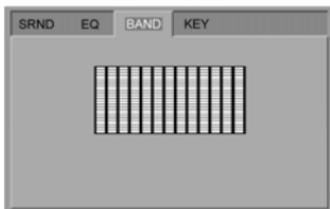
- Press the ▲ button until SRND, EQ or BAND is highlighted and then press ◄ ► buttons to highlight KEY.
- Press the ENTER button to enter the Key adjustment menu.
- Press ▲▼ buttons to change the key of the tones up or down
- Press the ENTER button to confirm your selection
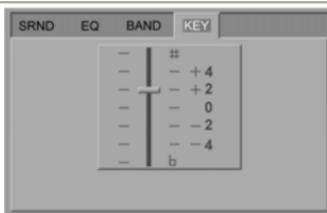
NOTE : When you go to the "SRND" menu – Surround mode, the "EQ" mode is automatically set to STANDARD. You can change the SRND mode as you wish. However, when you go to the "EQ" menu – Equalizer mode, and change the setting from STANDARD to another setting, the previous SRND setting you confirmed will be overwritten. The SRND parameter will automatically set to OFF as a result .

20. VOLUME CONTROL

- You can press the VOLUME buttons on the TV set or the amplifier to adjust the volume level.
- Alternatively, press the VOL+ button on the remote control to increase the volume level. Press the VOL- button to lower the volume level.

Note : During DVD PCM output playback, this feature does not work.

21. PLAYING MP3, WMA AND JPEG DISCS

Insert a MP3/JPEG disc into the player and the player will auto search the directories for MP3/JPEG files. After searching, the player will automatically go to the first directory of MP3 files and play the first song (MP3 Disc only). "01" is highlighted. After you insert a JPEG disc, the player will automatically go to the first directory of JPEG files. Press ◄ ►▲ ▼ buttons to highlight a JPEG and see the preview image on the left side of the screen. To start a slideshow, highlight the first JPEG you want to use for the slideshow and then press ENTER button. The player will now start the slideshow starting with the first JPEG you have selected and then go through the remaining JPEG's in the current directory in the order in which they appear. The screen will look like the image to the right when a MP3 / JPEG disc is inserted:
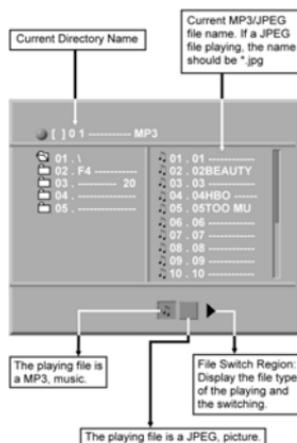
- Use the ◄ ► ▲ ▼ buttons to go to the Directory area on the screen (large box on the left side of the screen) and highlight the directory you want to enter. Press the ENTER button and now the first file in that directory will start playing (MP3 Disc only) or a preview image of first JPEG in the chosen directory will be displayed (JPEG Disc only). You can also use the ◄ ► ▲ ▼ buttons to enter the file area on the screen (large box on the right side of the screen) and highlight the file you want to play directly.

- Notes:
  - Press the ◄ / ► buttons to switch between directory area, file area and file type switch area.
  - In file type switch area, you can press the ◄ / ► buttons to highlight a different file type (WMA, JPEG or MP3) and then press ENTER button. The player reads what kind of files the disc contains and then highlights the icons at the bottom of the screen (file type switch area) to show what file types are on the disc. For example, if a disc contains MP3 and JPEG files but no WMA files, the musical note '♫' and the camera will be highlighted.
- When you insert a disc which contains WMA, MP3 and JPEG files, when playing a JPEG file, press the RETURN button to return to JPEG list.
- You can also press the NUMERICAL buttons to select a file you want to play. For example if you desire track #15 in the current list, press the "10+" button once, then press "5" button, the number 15 file starts playing.
  Note : When you are playing a MP3 disc, only audio can be output.
- When playing JPEG files, press the PROGRAM button to choose the picture transition mode. There are 17 transitioning modes. Press PROGRAM repeatedly to activate this function and choose the picture transition mode you prefer: spread from up to down, spread from down to left, spread from left to right, spread from right to left, spread from left up to right down, spread from right up to left down, spread from left down to right up, spread from right down to left up, spread from center to up/down, fold from up/down to center, fold from left right to center, horizontal shutter, vertical shutter, fold from the corners to the center, random play, off.
- When playing JPEG files, press the ◄ ► ▲ ▼ buttons to change the display angle.
  - ▲ : flip vertically
  - ▼ : flip horizontally
  - ◄ : rotate 90º counter-clockwise
  - ► : rotate 90º clockwise

- When playing JPEG files, press the ZOOM button to zoom in on JPEG files. The ZOOM button can be pressed repeatedly to increase the magnification level. To turn the Zoom feature off, press the ZOOM button repeatedly until the screen shows the message "ZOOM: OFF".

SYSTEM SETUP

1. GENERAL SETUP MENU INFORMATION

A) Press the SETUP button, the main SETUP menu appears.
- When the main menu is displayed, the DVD system will auto pause.
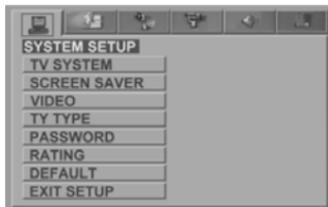
B) Press the ◄ or ► button to highlight the desired options page. Then press the ▲or▼ button to enter the options page you have chosen. For example, if you want to enter the VIDEO options page, press ► button repeatedly to highlight the video icon. The VIDEO options page is displayed on the screen. Press the ▼ button to enter the VIDEO options page.
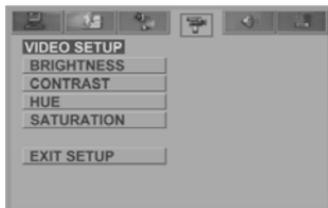
C) Press the ▼ button repeatedly to highlight the option you want to adjust. Press ENTER or ► button to enter the option adjustment menu (sub menu). The option choices of the particular option menu you have entered appear on the right. For example, press the ▼ button to highlight the BRIGHTNESS option then press ENTER to enter the BRIGHTNESS adjustment menu. Now press the ▲or▼ button to adjust the BRIGHTNESS level.

D) Press the ▲ ▼ ◄ ► buttons to highlight the EXIT SETUP option, then press ENTER button to exit the SETUP menu or simply press the SETUP button again.

2) SETUP OPTIONS INFORMATION
A) SYSTEM SETUP
The SYSTEM SETUP options are illustrated below:

- **TV SYSTEM**
  Adjust to change the Color System of the TV (Note that in North America the NTSC color system is used). You can choose from the following TV SYSTEM options.
  AUTO : Choose this setting if your DVD player is connected to a multi-system TV.
  NTSC : Choose this setting if your DVD player is connected to a NTSC TV.
  PAL : Choose this setting if your DVD player is connected to a PAL TV.
  PAL 60 : Choose this settings if your DVD player is connected to a PAL 60 TV.
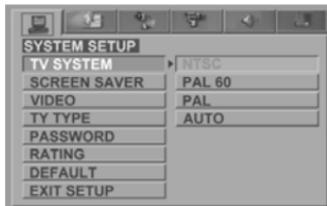
- **SCREEN SAVER**
  If the screen saver is on, when you DVD player is in STOP, OPEN or NO DISC state, or there is a frame frozen for more than 60 seconds, the screen saver will be displayed. This feature can protect your screen from image burn-in damage.
  ON : Choose this setting to activate the screen saver.
  OFF : Choose this setting to cancel the screen saver.
  The default setting is ON.
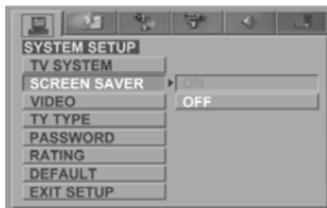
- **VIDEO**
  INTERLACE-YUV : Choose this setting if your DVD player is connected to a TV with Y, Cb, Cr (Non-progressive Component) video cables.
  TV-RGB : Choose this setting if your DVD player is connected to a TV with a S-VIDEO or composite (RCA) video cables.
  P-SCAN YPBPR : Choose this setting if your DVD player is connected to a progressive scan TV with Y, Pb, Pr (Progressive Component) video cables.
  PC-VGA : Choose this setting if your DVD player is connected to progressive scan TV with VGA video cable.
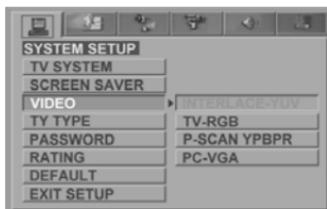
- **TV TYPE**

  4:3PS (Pan & Scan) : Choose this setting if your DVD player is connected to a normal aspect ratio TV (4:3). A standard edition movie (4:3) will fill the entire screen of your TV. This might mean that parts of the picture (the left and right edges) won't be seen.

  4:3LB (Letter Box) : Choose this setting if your DVD player is connected to a normal aspect ratio TV (4:3). You will see the movies in its original aspect ratio. You will also see the entire frame of the movie but it might appear with black bars at the top and bottom of the screen.

  16:9 (Wide Screen) : Choose this setting if your DVD player is connected to a widescreen TV (15:9 or 16:9). If you have selected this setting but you don't have a wide screen TV, the images on the screen may appear distorted due to vertical compression.

- **PASSWORD**

  The password option is initially locked and you cannot set the parental control settings or change them without a password. In order to access the ratings menu, the password mode must be turned on. If you want to set the ratings options, you need to enter the default password which is 8,8,8,8 and then press ENTER to confirm the password. To change the password, you will be prompted for the old password and then you will be prompted to enter a new one. Enter a new 4-digit number. (This will now be your new password)

- **RATING**

  The rating feature is a parental control system that allows you to block DVD content based on the rating levels you have chosen. It only works with DVD discs that have been assigned a rating. This helps you control the types of DVDs that your family can watch.
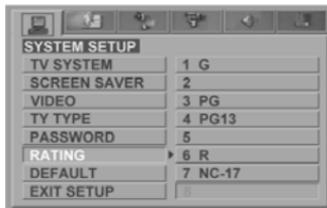
  The rating options are as follows: 1G, 2, 3 PG, 4 PG13, 5, 6R, 7 NC-17 and 8.

  Select 8 option to cancel the rating limit.

  The default setting is 8.

  Notes:

  If the password option is locked, you cannot set the rating limit. The rating limit does not work when the password option is unlocked.

Rating Limit Definitions

【1 G】 － for General Audiences - all ages admitted - suitable for children

【2】 －Rating limit between 【1 G】 and 【3 PG】

【3 PG】 －parental guidance - used for movies that do not have cursing or violence and that are suitable for children accompanied by adults

【4 PG13】 －used for movies that have some cursing and limited violence and are not suitable for children under the age of 13

【5】 －Rating limit between 【4 PG13】 and 【6 R】 .

【6 R】 －used for movies in which there is an abundance of cursing, violence, and sexual content suitable for viewers 17 and older

【7 NC17】 －used for movies in which there is a abundance of cursing, graphic violence, and sexual activity, and is geared for mature viewers 17 and older

【8】 －No Rating limit

- **DEFAULT**
  Choose this option to revert all the options to factory default settings.
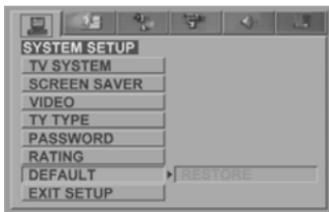
B) LANGUAGE SETUP
The language setup options are illustrated below:

- **OSD LANGUAGE**
  Highlight the OSD LANGUAGE option and press ENTER button to access the OSD LANGUAGE options menu. Press ▲ ▼ ◄ ► buttons to choose the OSD language you prefer. Press ENTER to confirm your selection and the OSD content will now be displayed in the language you have chosen.

- **AUDIO LANGUAGE**
  Highlight the AUDIO LANG option and press ENTER button to access the AUDIO LANG options menu. Press ▲▼◄ ► buttons to choose the audio language you prefer. Press ENTER to confirm. If the disc you are playing has that language available, it will output audio in the language you have chosen.
  NOTE: Audio language availability is subject to the languages contained on the DVD disc.

- **SUBTITLE LANGUAGE**
  Highlight the SUBTITLE LANG option and press ENTER button to access the SUBTITLE LANG options menu. Press ▲▼◄ ► buttons to choose the subtitle language you prefer. Press ENTER to confirm. If the disc you are playing has that language available, it will display the subtitle language you have chosen.
  NOTE: Subtitle language availability is subject to the languages contained on the DVD disc.

- **MENU LANGUAGE**
  Highlight the MENU LANG option and press ENTER button to access the MENU LANG options menu. Press ▲▼◄ ► buttons to choose the menu language you prefer. Press ENTER to confirm. If the disc you are playing has that language available, it will display menu content in that language.
  NOTE:
  If your preferred language is not available, the disc's default language will be played.

C) AUDIO SETUP
  The audio setup options are illustrated below:
  Use the ▲▼◄ ► buttons to highlight an item that you want to adjust. Press ENTER button to go into a particular options menu.

- **AUDIO SETUP**
  SPDIF/OFF : Choose this setting if your DVD player is connected to only audio signals from analog audio output jacks. For the coaxial and optical output jacks, there will be no signal.
  SPDIF/RAW : Choose this setting if your DVD player is connected to a power amplifier with a coaxial cable or optical cable. When playing a disc recorded with Dolby Digital, DTS and/or MPEG audio formats, the corresponding digital signals will be output from the coaxial and optical output jacks. This player's digital output jacks are designed for connection to a Dolby Digital, DTS and/or MPEG receiver or decoder.

SPDIF/PCM : Choose this setting if your DVD player is connected to a 2-channel digital stereo amplifier. When playing a disc recorded with Dolby Digital and MPEG audio formats, audio signals will be modulated into 2-channel PCM signal and it will be output from the coaxial and/or optical output jacks.

● **MIC SETUP**
There are two MIC settings in the MIC SETUP options menu: AUTO and OFF. When selecting AUTO, the player will auto-detect and deal with the input voice from the microphone. When selecting OFF, the player will do nothing with the input voice from the microphone.
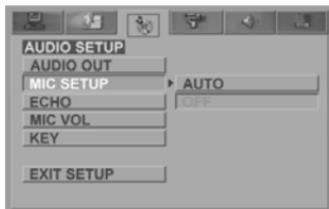
● **ECHO**
Press ENTER button to access the ECHO options menu and then press the ▲▼ buttons to adjust the ECHO level.

● **MIC VOL**
Press ENTER button to access the MIC VOL options menu and then press the ▲▼ buttons to adjust the MIC VOL level.

● **KEY**
Press ENTER button to access the KEY options menu and then press the ▲▼ buttons to adjust the KEY level.

D) VIDEO SETUP
The Video setup options are illustrated below:

- **BRIGHTNESS**
  Press ENTER button to access the BRIGHTNESS options menu and then press the ▲▼ buttons to adjust the BRIGHTNESS level. Select a lower number for a darker picture. Select a higher number for a brighter picture.
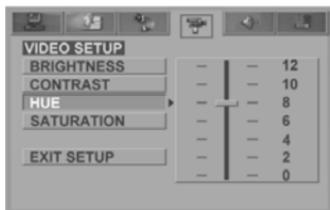
- **CONTRAST**
  Press ENTER button to access the CONTRAST options menu and then press the ▲▼ buttons to adjust the CONTRAST level. Select a lower number for a lower contrast picture. Select a higher number for a higher contrast picture.

- **HUE**
  Press ENTER button to access the HUE options menu and then press the ▲▼ buttons to adjust the HUE level. Select a lower number for less green tones. Select a higher number for a more green tones.
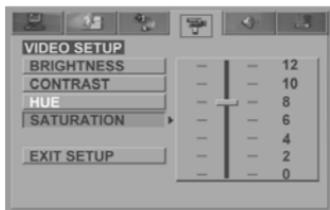
- **SATURATION**
  Press ENTER button to access the SATURATION options menu and then press the ▲▼ buttons to adjust the SATURATION level. Select a lower number for a less saturated picture. Select a higher number for a more saturated picture.

E) SPEAKER SETUP
The speaker setup options are illustrated below:

- **DOWNMIX**
  Use the ▲▼buttons to scroll through the DOWNMIX options.
  _**LT/RT**_ : Use this setting when connecting to a Dolby Digital amplifier
  **STEREO** : Use this setting when connecting to a stereo TV or amplifier.
  **VSS** : Use this setting to make a two speaker system sound as though it includes rear speakers; the "virtual" rear speakers allow you to enjoy a surround-like effect. It is for use with Dolby Digital DVDs only.

F) DIGITAL SETUP
The video setup options are illustrated below:

- **OP MODE**
  **LINE OUT** : Select this setting when you connect to a TV that has AV inputs (most TV's).
  **RF REMOD** : Select this setting when you connect to a TV that doesn't have a direct AV input. This option will take the RF signal and increase the sound level of the signal to make it clearer. Usually only older TV's will not have direct AV inputs.
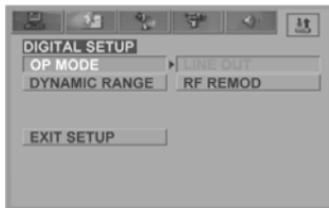
- **DYNAMIC RANGE**
  When "LINE OUT" setting is selected, choose this setting to adjust the range between the softest and loudest levels a source can produce without distortion. When you set the dynamic range to FULL, the peak values of the audio will be minimized, this is great for night time viewing as you do not have to keep on changing the volume level when you are listening to louder parts of a movie or musical piece (i.e. explosions, rock concerts etc.). When you change the setting to OFF, you will hear the sound as it was recorded when it was being produced. This means that some parts of a musical piece or movie might be much louder then other parts depending on the musical piece or movie.
  Note:
  This option is only available when the DOWNMIX option is set to OFF.
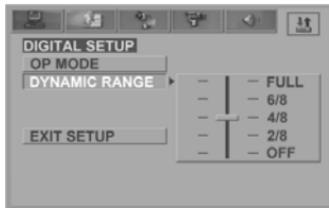
TROUBLE SHOOTING GUIDE

When there is a problem, it doesn't necessarily mean that the player is malfunction. Before sending it for repair, please check the troubleshooting guide below for a possible solution to the problem you are having. Under no circumstances should you attempt to repair the player yourself. There are no user serviceable parts inside and this will void your warranty.

PROBLEM	SOLUTION
No power	• Make sure power cord is properly connected. • Check if there is power at the AC outlet by plugging in another appliance.
No picture	• Check the TV is switched on. • Check the video connection. • Check the appropriate video input mode of the TV.
Unable to start playback	• If no disc inserted, please insert a disc. • Insert a compatible disc which is of a type that is compatible with this player and the region code should match this players region code. • Ensure the disc label is facing up. • Clean the disc. • Check if the disc is defective by trying another disc. • Check to see if the disc is defective, badly scratched or damaged (e.g. not flat).
Picture poor No sound	• Clean the disc by removing fingerprints or dust with a soft cloth, wiping from the center to the edge of the disc in a circular clockwise direction. • Check the audio connection. • Select the correct input mode of the audio receiver.
The remote control does not work properly	• Point the remote controller at the remote sensor of the DVD player. • Operate the remote control within 23ft (7m) of the player. • Inspect and / or replace the batteries.
Microphone does not appear to be working	• Adjust the microphone volume to suitable volume level. • Turn on the microphone.
Player does not respond to some operating commands	• Operations may not be permitted by the disc itself.
Disc tray cannot be closed	• Please place the disc again in the center of the disc tray.
Disc tray cannot be opened	• If the tray is locked by an obstacle or disc, please use a thin stick into emergency opening hole and move the inside bar on the bottom of the player manually.

TECHNICAL SPECIFICATIONS

Type	DIGITAL DVD Player
Model	DVD-816
Play Mode	NTSC / PAL / AUTO
Disc Mode	DVD, VCD, SVCD, CD, MP3, DVD+R, DVD+RW, JPEG, WMA, Kodak Picture CD
Video Characteristic	
Resolution	≥500 lines
Video S/N Ratio	≥56dB
Audio Characteristic	
Frequency Response	fs 192KHz : 4Hz-44KHz : +/- 1dB
Audio S/N Ratio	≥90dB
Dynamic Range	≥90dB
Distortion	‹ 0.01%
D/A Converter	192KHz / 24-Bit
Output Characteristic	
Video Output	1Vp-p (75Ω)
S-Video Output	Y:1Vp-p (75Ω) C:0.3Vp-p (75Ω)
Audio Output	2.0V +/- 0.0V-1.0V
Audio Output – Channel	2 Channels
Digital Audio Output	Coaxial / Optical
Power Voltage	AC 110V ~ 50Hz
Power Consumption	≤25W
Size	340x48x260mm
Weight	2.5kg

Specifications are subject to change without prior notice.

We appreciate your purchase of a MAGNASONIC Home Entertainment product. We take pride in the quality of our products and have manufactured your new Home Entertainment unit to exacting quality standards. We feel confident that in normal use, it will provide you with satisfactory performance. However, should you experience difficulty, you are protected under the provisions of this warranty.

MAGNASONIC Home Entertainment products are warranted against manufacturing defects in materials and workmanship in normal use for the following period from the date of purchase by the original user, and is conditional upon the unit being installed and used as directed in the instruction manual.

PRODUCT	PARTS AND LABOUR
DVD Players	1 year
Portable DVD Players	1 year
Remote Control	90 days

MAGNASONIC's obligation under this warranty shall be limited to the repair, including all necessary parts and the cost of the labour connected therewith, or at our option the exchange of any Home Entertainment product which shows evidence of a manufacturing defect within the warranty period.

Replacement parts, furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warranty.

CUSTOMER OBLIGATIONS

This warranty applies to the product from the original date of purchase at retail. Therefore, the owner must provide a copy of the original, dated bill of sale. No warranty service will be performed without a bill of sale. Transportation to and from the service depot is the responsibility of the owner.

WARRANTY EXCLUSIONS

This warranty is extended to MAGNASONIC Home Entertainment products purchased and used in Canada. This warranty shall not apply to appearance or accessory items including but not limited to: antenna, cabinet, cabinet parts, knobs, batteries, connecting cables, cassette tapes, compact discs. This warranty shall, in addition, not apply to damages due to handling, transportation, unpacking, set-up, installation, customer adjustments that are covered in the instruction book, repair or replacement of parts supplied by other than the MAGNASONIC authorized service depot, any malfunction or failure caused by or resulting from abnormal environmental conditions, improper unauthorized service, improper maintenance, modifications or repair by the consumer, abuse, misuse, neglect, accident, fire, flood, or other Acts of God, and incorrect line voltage.

This Home Entertainment product is only warranted to the original retail purchaser. This warranty becomes void in the event of commercial or rental use. This warranty becomes void in the event serial numbers are altered, defaced or removed.

MAGNASONIC reserves the right to make changes in design or to make additions to or improvements upon this product without incurring any obligation to install the same on products previously manufactured. The foregoing is in lieu of all other warranties expressed or implied and MAGNASONIC neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sale or service of this product. In no event shall MAGNASONIC or its MAGNASONIC dealers be liable for special or consequential damage arising from the use of this product, or for any delay in the performance of this warranty due to cause beyond our control.

The purchaser may have other rights under existing provincial or federal laws, and where any terms of this warranty are prohibited by such laws, they are deemed null and void, but the remainder of the warranty shall remain in effect.

HOW TO OBTAIN SERVICE

Should this product require service, you may obtain specific information on how to obtain service by contacting the MAGNASONIC Dealer from whom this product was purchased, or by contacting us directly:

SONIGEM SERVICE
300 Alden Road
Markham, Ontario, L3R 4C1
PHONE: (905) 940-5089   TOLL FREE: 1-800-287-4871   FAX: (905) 940-2303